**HTML Tags**

HTML tags are element names surrounded by angle brackets:

<tagname>content goes here...</tagname>

* HTML tags normally come **in pairs** like <p> and </p>
* The first tag in a pair is the **start tag,** the second tag is the **end tag**
* The end tag is written like the start tag, but with a **forward slash** inserted before the tag name

**Tip:** The start tag is also called the **opening tag**, and the end tag the **closing tag**.

## The <!DOCTYPE> Declaration

The <!DOCTYPE> declaration represents the document type, and helps browsers to display web pages correctly.

It must only appear once, at the top of the page (before any HTML tags).

The <!DOCTYPE> declaration is not case sensitive.

The <!DOCTYPE> declaration for HTML5 is:

<!DOCTYPE html>

## HTML Elements

An HTML element usually consists of a **start** tag and **end** tag, with the content inserted in between:

<tagname>Content goes here...</tagname>

The HTML **element** is everything from the start tag to the end tag:

<p>My first paragraph.</p>

HTML elements with no content are called empty elements. Empty elements do not have an end tag, such as the <br> element (which indicates a line break).

## Empty HTML Elements

HTML elements with no content are called empty elements.

<br> is an empty element without a closing tag (the <br> tag defines a line break).

Empty elements can be "closed" in the opening tag like this: <br />.

HTML5 does not require empty elements to be closed. But if you want stricter validation, or if you need to make your document readable by XML parsers, you must close all HTML elements properly.

## Use Lowercase Tags

HTML tags are not case sensitive: <P> means the same as <p>.

The HTML5 standard does not require lowercase tags, but W3C **recommends** lowercase in HTML, and **demands** lowercase for stricter document types like XHTML.

# HTML Attributes

Attributes provide additional information about HTML elements.

**HTML Attributes**

* All HTML elements can have **attributes**
* Attributes provide **additional information** about an element
* Attributes are always specified in **the start tag**
* Attributes usually come in name/value pairs like: **name="value"**

## HTML Comment Tags

You can add comments to your HTML source by using the following syntax:

<!-- Write your comments here -->

Notice that there is an exclamation point (!) in the opening tag, but not in the closing tag.

**Note:** Comments are not displayed by the browser, but they can help document your HTML source code.

# HTML Encoding (Character Sets)

To display an HTML page correctly, a web browser must know which character set (character encoding) to use.

## What is Character Encoding?

ASCII was the first **character encoding standard** (also called character set). ASCII defined 128 different alphanumeric characters that could be used on the internet: numbers (0-9), English letters (A-Z), and some special characters like ! $ + - ( ) @ < > .

ANSI (Windows-1252) was the original Windows character set, with support for 256 different character codes.

ISO-8859-1 was the default character set for HTML 4. This character set also supported 256 different character codes.

Because ANSI and ISO-8859-1 were so limited, HTML 4 also supported UTF-8.

UTF-8 (Unicode) covers almost all of the characters and symbols in the world.

The default character encoding for HTML5 is UTF-8.

## The HTML charset Attribute

To display an HTML page correctly, a web browser must know the character set used in the page.

This is specified in the <meta> tag:

### For HTML4:

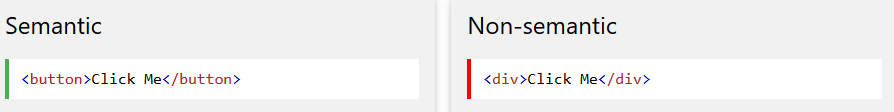
<meta http-equiv="Content-Type" content="text/html;charset=ISO-8859-1">

### For HTML5:

<meta charset="UTF-8">

## Semantic HTML

Semantic HTML means using correct HTML elements for their correct purpose as much as possible. Semantic elements are elements with a meaning; if you need a button, use the <button> element (and not a <div>).



Examples of **non-semantic** elements: <div> and <span> - Tells nothing about its content.

Examples of **semantic** elements: <form>, <table>, and <article> - Clearly defines its content.

## Basic HTML

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<!DOCTYPE>](https://www.w3schools.com/tags/tag_doctype.asp) | Defines the document type |
| [<html>](https://www.w3schools.com/tags/tag_html.asp) | Defines an HTML document |
| [<head>](https://www.w3schools.com/tags/tag_head.asp) | Defines information about the document |
| [<title>](https://www.w3schools.com/tags/tag_title.asp) | Defines a title for the document |
| [<body>](https://www.w3schools.com/tags/tag_body.asp) | Defines the document's body |
| [<h1> to <h6>](https://www.w3schools.com/tags/tag_hn.asp) | Defines HTML headings |
| [<p>](https://www.w3schools.com/tags/tag_p.asp) | Defines a paragraph |
| [<br>](https://www.w3schools.com/tags/tag_br.asp) | Inserts a single line break |
| [<hr>](https://www.w3schools.com/tags/tag_hr.asp) | Defines a thematic change in the content |
| [<!--...-->](https://www.w3schools.com/tags/tag_comment.asp) | Defines a comment |

## Formatting

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<acronym>](https://www.w3schools.com/tags/tag_acronym.asp) | Not supported in HTML5. Use <abbr> instead. Defines an acronym |
| [<abbr>](https://www.w3schools.com/tags/tag_abbr.asp) | Defines an abbreviation or an acronym |
| [<address>](https://www.w3schools.com/tags/tag_address.asp) | Defines contact information for the author/owner of a document/article |
| [<b>](https://www.w3schools.com/tags/tag_b.asp) | Defines bold text |
| [<bdi>](https://www.w3schools.com/tags/tag_bdi.asp) | Isolates a part of text that might be formatted in a different direction from other text outside it |
| [<bdo>](https://www.w3schools.com/tags/tag_bdo.asp) | Overrides the current text direction |
| [<big>](https://www.w3schools.com/tags/tag_big.asp) | Not supported in HTML5. Use CSS instead. Defines big text |
| [<blockquote>](https://www.w3schools.com/tags/tag_blockquote.asp) | Defines a section that is quoted from another source |
| [<center>](https://www.w3schools.com/tags/tag_center.asp) | Not supported in HTML5. Use CSS instead. Defines centered text |
| [<cite>](https://www.w3schools.com/tags/tag_cite.asp) | Defines the title of a work |
| [<code>](https://www.w3schools.com/tags/tag_code.asp) | Defines a piece of computer code |
| [<del>](https://www.w3schools.com/tags/tag_del.asp) | Defines text that has been deleted from a document |
| [<dfn>](https://www.w3schools.com/tags/tag_dfn.asp) | Represents the defining instance of a term |
| [<em>](https://www.w3schools.com/tags/tag_em.asp) | Defines emphasized text |
| [<font>](https://www.w3schools.com/tags/tag_font.asp) | Not supported in HTML5. Use CSS instead. Defines font, color, and size for text |
| [<i>](https://www.w3schools.com/tags/tag_i.asp) | Defines a part of text in an alternate voice or mood |
| [<ins>](https://www.w3schools.com/tags/tag_ins.asp) | Defines a text that has been inserted into a document |
| [<kbd>](https://www.w3schools.com/tags/tag_kbd.asp) | Defines keyboard input |
| [<mark>](https://www.w3schools.com/tags/tag_mark.asp) | Defines marked/highlighted text |
| [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | Defines a scalar measurement within a known range (a gauge) |
| [<pre>](https://www.w3schools.com/tags/tag_pre.asp) | Defines preformatted text |
| [<progress>](https://www.w3schools.com/tags/tag_progress.asp) | Represents the progress of a task |
| [<q>](https://www.w3schools.com/tags/tag_q.asp) | Defines a short quotation |
| [<rp>](https://www.w3schools.com/tags/tag_rp.asp) | Defines what to show in browsers that do not support ruby annotations |
| [<rt>](https://www.w3schools.com/tags/tag_rt.asp) | Defines an explanation/pronunciation of characters (for East Asian typography) |
| [<ruby>](https://www.w3schools.com/tags/tag_ruby.asp) | Defines a ruby annotation (for East Asian typography) |
| [<s>](https://www.w3schools.com/tags/tag_s.asp) | Defines text that is no longer correct |
| [<samp>](https://www.w3schools.com/tags/tag_samp.asp) | Defines sample output from a computer program |
| [<small>](https://www.w3schools.com/tags/tag_small.asp) | Defines smaller text |
| [<strike>](https://www.w3schools.com/tags/tag_strike.asp) | Not supported in HTML5. Use <del> or <s> instead. Defines strikethrough text |
| [<strong>](https://www.w3schools.com/tags/tag_strong.asp) | Defines important text |
| [<sub>](https://www.w3schools.com/tags/tag_sub.asp) | Defines subscripted text |
| [<sup>](https://www.w3schools.com/tags/tag_sup.asp) | Defines superscripted text |
| [<template>](https://www.w3schools.com/tags/tag_template.asp) | Defines a template |
| [<time>](https://www.w3schools.com/tags/tag_time.asp) | Defines a date/time |
| [<tt>](https://www.w3schools.com/tags/tag_tt.asp) | Not supported in HTML5. Use CSS instead. Defines teletype text |
| [<u>](https://www.w3schools.com/tags/tag_u.asp) | Defines text that should be stylistically different from normal text |
| [<var>](https://www.w3schools.com/tags/tag_var.asp) | Defines a variable |
| [<wbr>](https://www.w3schools.com/tags/tag_wbr.asp) | Defines a possible line-break |

## Forms and Input

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<form>](https://www.w3schools.com/tags/tag_form.asp) | Defines an HTML form for user input |
| [<input>](https://www.w3schools.com/tags/tag_input.asp) | Defines an input control |
| [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Defines a multiline input control (text area) |
| [<button>](https://www.w3schools.com/tags/tag_button.asp) | Defines a clickable button |
| [<select>](https://www.w3schools.com/tags/tag_select.asp) | Defines a drop-down list |
| [<optgroup>](https://www.w3schools.com/tags/tag_optgroup.asp) | Defines a group of related options in a drop-down list |
| [<option>](https://www.w3schools.com/tags/tag_option.asp) | Defines an option in a drop-down list |
| [<label>](https://www.w3schools.com/tags/tag_label.asp) | Defines a label for an <input> element |
| [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp) | Groups related elements in a form |
| [<legend>](https://www.w3schools.com/tags/tag_legend.asp) | Defines a caption for a <fieldset> element |
| [<datalist>](https://www.w3schools.com/tags/tag_datalist.asp) | Specifies a list of pre-defined options for input controls |
| [<output>](https://www.w3schools.com/tags/tag_output.asp) | Defines the result of a calculation |

## Frames

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<frame>](https://www.w3schools.com/tags/tag_frame.asp) | Not supported in HTML5. Defines a window (a frame) in a frameset |
| [<frameset>](https://www.w3schools.com/tags/tag_frameset.asp) | Not supported in HTML5. Defines a set of frames |
| [<noframes>](https://www.w3schools.com/tags/tag_noframes.asp) | Not supported in HTML5. Defines an alternate content for users that do not support frames |
| [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp) | Defines an inline frame |

## Images

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<img>](https://www.w3schools.com/tags/tag_img.asp) | Defines an image |
| [<map>](https://www.w3schools.com/tags/tag_map.asp) | Defines a client-side image-map |
| [<area>](https://www.w3schools.com/tags/tag_area.asp) | Defines an area inside an image-map |
| [<canvas>](https://www.w3schools.com/tags/tag_canvas.asp) | Used to draw graphics, on the fly, via scripting (usually JavaScript) |
| [<figcaption>](https://www.w3schools.com/tags/tag_figcaption.asp) | Defines a caption for a <figure> element |
| [<figure>](https://www.w3schools.com/tags/tag_figure.asp) | Specifies self-contained content |
| [<picture>](https://www.w3schools.com/tags/tag_picture.asp) | Defines a container for multiple image resources |

## Audio / Video

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<audio>](https://www.w3schools.com/tags/tag_audio.asp) | Defines sound content |
| [<source>](https://www.w3schools.com/tags/tag_source.asp) | Defines multiple media resources for media elements (<video>, <audio> and <picture>) |
| [<track>](https://www.w3schools.com/tags/tag_track.asp) | Defines text tracks for media elements (<video> and <audio>) |
| [<video>](https://www.w3schools.com/tags/tag_video.asp) | Defines a video or movie |

## Links

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<a>](https://www.w3schools.com/tags/tag_a.asp) | Defines a hyperlink |
| [<link>](https://www.w3schools.com/tags/tag_link.asp) | Defines the relationship between a document and an external resource (most used to link to style sheets) |
| [<nav>](https://www.w3schools.com/tags/tag_nav.asp) | Defines navigation links |

## Lists

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<ul>](https://www.w3schools.com/tags/tag_ul.asp) | Defines an unordered list |
| [<ol>](https://www.w3schools.com/tags/tag_ol.asp) | Defines an ordered list |
| [<li>](https://www.w3schools.com/tags/tag_li.asp) | Defines a list item |
| [<dir>](https://www.w3schools.com/tags/tag_dir.asp) | Not supported in HTML5. Use <ul> instead. Defines a directory list |
| [<dl>](https://www.w3schools.com/tags/tag_dl.asp) | Defines a description list |
| [<dt>](https://www.w3schools.com/tags/tag_dt.asp) | Defines a term/name in a description list |
| [<dd>](https://www.w3schools.com/tags/tag_dd.asp) | Defines a description of a term/name in a description list |
| [<menu>](https://www.w3schools.com/tags/tag_menu.asp) | Defines a list/menu of commands |
| [<menuitem>](https://www.w3schools.com/tags/tag_menuitem.asp) | Defines a command/menu item that the user can invoke from a popup menu |

## Tables

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<table>](https://www.w3schools.com/tags/tag_table.asp) | Defines a table |
| [<caption>](https://www.w3schools.com/tags/tag_caption.asp) | Defines a table caption |
| [<th>](https://www.w3schools.com/tags/tag_th.asp) | Defines a header cell in a table |
| [<tr>](https://www.w3schools.com/tags/tag_tr.asp) | Defines a row in a table |
| [<td>](https://www.w3schools.com/tags/tag_td.asp) | Defines a cell in a table |
| [<thead>](https://www.w3schools.com/tags/tag_thead.asp) | Groups the header content in a table |
| [<tbody>](https://www.w3schools.com/tags/tag_tbody.asp) | Groups the body content in a table |
| [<tfoot>](https://www.w3schools.com/tags/tag_tfoot.asp) | Groups the footer content in a table |
| [<col>](https://www.w3schools.com/tags/tag_col.asp) | Specifies column properties for each column within a <colgroup> element |
| [<colgroup>](https://www.w3schools.com/tags/tag_colgroup.asp) | Specifies a group of one or more columns in a table for formatting |

## Styles and Semantics

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<style>](https://www.w3schools.com/tags/tag_style.asp) | Defines style information for a document |
| [<div>](https://www.w3schools.com/tags/tag_div.asp) | Defines a section in a document |
| [<span>](https://www.w3schools.com/tags/tag_span.asp) | Defines a section in a document |
| [<header>](https://www.w3schools.com/tags/tag_header.asp) | Defines a header for a document or section |
| [<footer>](https://www.w3schools.com/tags/tag_footer.asp) | Defines a footer for a document or section |
| [<main>](https://www.w3schools.com/tags/tag_main.asp) | Specifies the main content of a document |
| [<section>](https://www.w3schools.com/tags/tag_section.asp) | Defines a section in a document |
| [<article>](https://www.w3schools.com/tags/tag_article.asp) | Defines an article |
| [<aside>](https://www.w3schools.com/tags/tag_aside.asp) | Defines content aside from the page content |
| [<details>](https://www.w3schools.com/tags/tag_details.asp) | Defines additional details that the user can view or hide |
| [<dialog>](https://www.w3schools.com/tags/tag_dialog.asp) | Defines a dialog box or window |
| [<summary>](https://www.w3schools.com/tags/tag_summary.asp) | Defines a visible heading for a <details> element |
| [<data>](https://www.w3schools.com/tags/tag_data.asp) | Links the given content with a machine-readable translation |

## Meta Info

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<head>](https://www.w3schools.com/tags/tag_head.asp) | Defines information about the document |
| [<meta>](https://www.w3schools.com/tags/tag_meta.asp) | Defines metadata about an HTML document |
| [<base>](https://www.w3schools.com/tags/tag_base.asp) | Specifies the base URL/target for all relative URLs in a document |
| [<basefont>](https://www.w3schools.com/tags/tag_basefont.asp) | Not supported in HTML5. Use CSS instead. Specifies a default color, size, and font for all text in a document |

## Programming

|  |  |
| --- | --- |
| **Tag** | **Description** |
| [<script>](https://www.w3schools.com/tags/tag_script.asp) | Defines a client-side script |
| [<noscript>](https://www.w3schools.com/tags/tag_noscript.asp) | Defines an alternate content for users that do not support client-side scripts |
| [<applet>](https://www.w3schools.com/tags/tag_applet.asp) | Not supported in HTML5. Use <embed> or <object> instead. Defines an embedded applet |
| [<embed>](https://www.w3schools.com/tags/tag_embed.asp) | Defines a container for an external (non-HTML) application |
| [<object>](https://www.w3schools.com/tags/tag_object.asp) | Defines an embedded object |
| [<param>](https://www.w3schools.com/tags/tag_param.asp) | Defines a parameter for an object |

## All HTML Attributes

|  |  |  |
| --- | --- | --- |
| **Attribute** | **Belongs to** | **Description** |
| [accept](https://www.w3schools.com/tags/att_accept.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | Specifies the types of files that the server accepts (only for type="file") |
| [accept-charset](https://www.w3schools.com/tags/att_accept-charset.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | Specifies the character encodings that are to be used for the form submission |
| [accesskey](https://www.w3schools.com/tags/att_accesskey.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies a shortcut key to activate/focus an element |
| [action](https://www.w3schools.com/tags/att_action.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | Specifies where to send the form-data when a form is submitted |
| align | Not supported in HTML 5. | Specifies the alignment according to surrounding elements. Use CSS instead |
| [alt](https://www.w3schools.com/tags/att_alt.asp) | [<area>](https://www.w3schools.com/tags/tag_area.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp) | Specifies an alternate text when the original element fails to display |
| [async](https://www.w3schools.com/tags/att_async.asp) | [<script>](https://www.w3schools.com/tags/tag_script.asp) | Specifies that the script is executed asynchronously (only for external scripts) |
| [autocomplete](https://www.w3schools.com/tags/att_autocomplete.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp) | Specifies whether the <form> or the <input> element should have autocomplete enabled |
| [autofocus](https://www.w3schools.com/tags/att_autofocus.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies that the element should automatically get focus when the page loads |
| [autoplay](https://www.w3schools.com/tags/att_autoplay.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Specifies that the audio/video will start playing as soon as it is ready |
| bgcolor | Not supported in HTML 5. | Specifies the background color of an element. Use CSS instead |
| border | Not supported in HTML 5. | Specifies the width of the border of an element. Use CSS instead |
| [charset](https://www.w3schools.com/tags/att_charset.asp) | [<meta>](https://www.w3schools.com/tags/tag_meta.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp) | Specifies the character encoding |
| [checked](https://www.w3schools.com/tags/att_checked.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | Specifies that an <input> element should be pre-selected when the page loads (for type="checkbox" or type="radio") |
| [cite](https://www.w3schools.com/tags/att_cite.asp) | <blockquote>, [<del>](https://www.w3schools.com/tags/tag_del.asp), [<ins>](https://www.w3schools.com/tags/tag_ins.asp), <q> | Specifies a URL which explains the quote/deleted/inserted text |
| [class](https://www.w3schools.com/tags/att_class.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies one or more classnames for an element (refers to a class in a style sheet) |
| color | Not supported in HTML 5. | Specifies the text color of an element. Use CSS instead |
| [cols](https://www.w3schools.com/tags/att_cols.asp) | [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies the visible width of a text area |
| [colspan](https://www.w3schools.com/tags/att_colspan.asp) | [<td>](https://www.w3schools.com/tags/tag_td.asp), [<th>](https://www.w3schools.com/tags/tag_th.asp) | Specifies the number of columns a table cell should span |
| [content](https://www.w3schools.com/tags/att_content.asp) | [<meta>](https://www.w3schools.com/tags/tag_meta.asp) | Gives the value associated with the http-equiv or name attribute |
| [contenteditable](https://www.w3schools.com/tags/att_contenteditable.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies whether the content of an element is editable or not |
| [contextmenu](https://www.w3schools.com/tags/att_contextmenu.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies a context menu for an element. The context menu appears when a user right-clicks on the element |
| [controls](https://www.w3schools.com/tags/att_controls.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Specifies that audio/video controls should be displayed (such as a play/pause button etc) |
| [coords](https://www.w3schools.com/tags/att_coords.asp) | [<area>](https://www.w3schools.com/tags/tag_area.asp) | Specifies the coordinates of the area |
| [data](https://www.w3schools.com/tags/att_data.asp) | [<object>](https://www.w3schools.com/tags/tag_object.asp) | Specifies the URL of the resource to be used by the object |
| [data-\*](https://www.w3schools.com/tags/att_data-.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Used to store custom data private to the page or application |
| [datetime](https://www.w3schools.com/tags/att_datetime.asp) | [<del>](https://www.w3schools.com/tags/tag_del.asp), [<ins>](https://www.w3schools.com/tags/tag_ins.asp), [<time>](https://www.w3schools.com/tags/tag_time.asp) | Specifies the date and time |
| [default](https://www.w3schools.com/tags/att_default.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp) | Specifies that the track is to be enabled if the user's preferences do not indicate that another track would be more appropriate |
| [defer](https://www.w3schools.com/tags/att_defer.asp) | [<script>](https://www.w3schools.com/tags/tag_script.asp) | Specifies that the script is executed when the page has finished parsing (only for external scripts) |
| [dir](https://www.w3schools.com/tags/att_dir.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies the text direction for the content in an element |
| [dirname](https://www.w3schools.com/tags/att_dirname.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies that the text direction will be submitted |
| [disabled](https://www.w3schools.com/tags/att_disabled.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), <optgroup>, [<option>](https://www.w3schools.com/tags/tag_option.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies that the specified element/group of elements should be disabled |
| [download](https://www.w3schools.com/tags/att_download.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp) | Specifies that the target will be downloaded when a user clicks on the hyperlink |
| [draggable](https://www.w3schools.com/tags/att_draggable.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies whether an element is draggable or not |
| [dropzone](https://www.w3schools.com/tags/att_dropzone.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies whether the dragged data is copied, moved, or linked, when dropped |
| [enctype](https://www.w3schools.com/tags/att_enctype.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | Specifies how the form-data should be encoded when submitting it to the server (only for method="post") |
| [for](https://www.w3schools.com/tags/att_for.asp) | <label>, [<output>](https://www.w3schools.com/tags/tag_output.asp) | Specifies which form element(s) a label/calculation is bound to |
| [form](https://www.w3schools.com/tags/att_form.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), <label>, [<meter>](https://www.w3schools.com/tags/tag_meter.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<output>](https://www.w3schools.com/tags/tag_output.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies the name of the form the element belongs to |
| [formaction](https://www.w3schools.com/tags/att_formaction.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp) | Specifies where to send the form-data when a form is submitted. Only for type="submit" |
| [headers](https://www.w3schools.com/tags/att_headers.asp) | [<td>](https://www.w3schools.com/tags/tag_td.asp), [<th>](https://www.w3schools.com/tags/tag_th.asp) | Specifies one or more headers cells a cell is related to |
| [height](https://www.w3schools.com/tags/att_height.asp) | <canvas>, [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Specifies the height of the element |
| [hidden](https://www.w3schools.com/tags/att_hidden.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies that an element is not yet, or is no longer, relevant |
| [high](https://www.w3schools.com/tags/att_high.asp) | [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | Specifies the range that is considered to be a high value |
| [href](https://www.w3schools.com/tags/att_href.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<base>](https://www.w3schools.com/tags/tag_base.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp) | Specifies the URL of the page the link goes to |
| [hreflang](https://www.w3schools.com/tags/att_hreflang.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp) | Specifies the language of the linked document |
| [http-equiv](https://www.w3schools.com/tags/att_http-equiv.asp) | [<meta>](https://www.w3schools.com/tags/tag_meta.asp) | Provides an HTTP header for the information/value of the content attribute |
| [id](https://www.w3schools.com/tags/att_id.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies a unique id for an element |
| [ismap](https://www.w3schools.com/tags/att_ismap.asp) | [<img>](https://www.w3schools.com/tags/tag_img.asp) | Specifies an image as a server-side image-map |
| [kind](https://www.w3schools.com/tags/att_kind.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp) | Specifies the kind of text track |
| [label](https://www.w3schools.com/tags/att_label.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp), [<option>](https://www.w3schools.com/tags/tag_option.asp), [<optgroup>](https://www.w3schools.com/tags/tag_optgroup.asp) | Specifies the title of the text track |
| [lang](https://www.w3schools.com/tags/att_lang.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies the language of the element's content |
| [list](https://www.w3schools.com/tags/att_list.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | Refers to a <datalist> element that contains pre-defined options for an <input> element |
| [loop](https://www.w3schools.com/tags/att_loop.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Specifies that the audio/video will start over again, every time it is finished |
| [low](https://www.w3schools.com/tags/att_low.asp) | [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | Specifies the range that is considered to be a low value |
| [max](https://www.w3schools.com/tags/att_max.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<meter>](https://www.w3schools.com/tags/tag_meter.asp), [<progress>](https://www.w3schools.com/tags/tag_progress.asp) | Specifies the maximum value |
| [maxlength](https://www.w3schools.com/tags/att_maxlength.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies the maximum number of characters allowed in an element |
| [media](https://www.w3schools.com/tags/att_media.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp), [<style>](https://www.w3schools.com/tags/tag_style.asp) | Specifies what media/device the linked document is optimized for |
| [method](https://www.w3schools.com/tags/att_method.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | Specifies the HTTP method to use when sending form-data |
| [min](https://www.w3schools.com/tags/att_min.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | Specifies a minimum value |
| [multiple](https://www.w3schools.com/tags/att_multiple.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp) | Specifies that a user can enter more than one value |
| [muted](https://www.w3schools.com/tags/att_muted.asp) | [<video>](https://www.w3schools.com/tags/tag_video.asp), [<audio>](https://www.w3schools.com/tags/tag_audio.asp) | Specifies that the audio output of the video should be muted |
| [name](https://www.w3schools.com/tags/att_name.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<fieldset>](https://www.w3schools.com/tags/tag_fieldset.asp), [<form>](https://www.w3schools.com/tags/tag_form.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<map>](https://www.w3schools.com/tags/tag_map.asp), [<meta>](https://www.w3schools.com/tags/tag_meta.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<output>](https://www.w3schools.com/tags/tag_output.asp), [<param>](https://www.w3schools.com/tags/tag_param.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies the name of the element |
| [novalidate](https://www.w3schools.com/tags/att_novalidate.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | Specifies that the form should not be validated when submitted |
| [onabort](https://www.w3schools.com/tags/att_onabort.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run on abort |
| [onafterprint](https://www.w3schools.com/tags/att_onafterprint.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run after the document is printed |
| [onbeforeprint](https://www.w3schools.com/tags/att_onbeforeprint.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run before the document is printed |
| [onbeforeunload](https://www.w3schools.com/tags/att_onbeforeunload.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when the document is about to be unloaded |
| [onblur](https://www.w3schools.com/tags/att_onblur.asp) | All visible elements. | Script to be run when the element loses focus |
| [oncanplay](https://www.w3schools.com/tags/att_oncanplay.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when a file is ready to start playing (when it has buffered enough to begin) |
| [oncanplaythrough](https://www.w3schools.com/tags/att_oncanplaythrough.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when a file can be played all the way to the end without pausing for buffering |
| [onchange](https://www.w3schools.com/tags/att_onchange.asp) | All visible elements. | Script to be run when the value of the element is changed |
| [onclick](https://www.w3schools.com/tags/att_onclick.asp) | All visible elements. | Script to be run when the element is being clicked |
| [oncontextmenu](https://www.w3schools.com/tags/att_oncontextmenu.asp) | All visible elements. | Script to be run when a context menu is triggered |
| [oncopy](https://www.w3schools.com/tags/att_oncopy.asp) | All visible elements. | Script to be run when the content of the element is being copied |
| [oncuechange](https://www.w3schools.com/tags/att_oncuechange.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp) | Script to be run when the cue changes in a [<track>](https://www.w3schools.com/tags/tag_track.asp) element |
| [oncut](https://www.w3schools.com/tags/att_oncut.asp) | All visible elements. | Script to be run when the content of the element is being cut |
| [ondblclick](https://www.w3schools.com/tags/att_ondblclick.asp) | All visible elements. | Script to be run when the element is being double-clicked |
| [ondrag](https://www.w3schools.com/tags/att_ondrag.asp) | All visible elements. | Script to be run when the element is being dragged |
| [ondragend](https://www.w3schools.com/tags/att_ondragend.asp) | All visible elements. | Script to be run at the end of a drag operation |
| [ondragenter](https://www.w3schools.com/tags/att_ondragenter.asp) | All visible elements. | Script to be run when an element has been dragged to a valid drop target |
| [ondragleave](https://www.w3schools.com/tags/att_ondragleave.asp) | All visible elements. | Script to be run when an element leaves a valid drop target |
| [ondragover](https://www.w3schools.com/tags/att_ondragover.asp) | All visible elements. | Script to be run when an element is being dragged over a valid drop target |
| [ondragstart](https://www.w3schools.com/tags/att_ondragstart.asp) | All visible elements. | Script to be run at the start of a drag operation |
| [ondrop](https://www.w3schools.com/tags/att_ondrop.asp) | All visible elements. | Script to be run when dragged element is being dropped |
| [ondurationchange](https://www.w3schools.com/tags/att_ondurationchange.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the length of the media changes |
| [onemptied](https://www.w3schools.com/tags/att_onemptied.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when something bad happens and the file is suddenly unavailable (like unexpectedly disconnects) |
| [onended](https://www.w3schools.com/tags/att_onended.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the media has reach the end (a useful event for messages like "thanks for listening") |
| [onerror](https://www.w3schools.com/tags/att_onerror.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<body>](https://www.w3schools.com/tags/tag_body.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp), [<style>](https://www.w3schools.com/tags/tag_style.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when an error occurs |
| [onfocus](https://www.w3schools.com/tags/att_onfocus.asp) | All visible elements. | Script to be run when the element gets focus |
| [onhashchange](https://www.w3schools.com/tags/att_onhashchange.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when there has been changes to the anchor part of the a URL |
| [oninput](https://www.w3schools.com/tags/att_oninput.asp) | All visible elements. | Script to be run when the element gets user input |
| [oninvalid](https://www.w3schools.com/tags/att_oninvalid.asp) | All visible elements. | Script to be run when the element is invalid |
| [onkeydown](https://www.w3schools.com/tags/att_onkeydown.asp) | All visible elements. | Script to be run when a user is pressing a key |
| [onkeypress](https://www.w3schools.com/tags/att_onkeypress.asp) | All visible elements. | Script to be run when a user presses a key |
| [onkeyup](https://www.w3schools.com/tags/att_onkeyup.asp) | All visible elements. | Script to be run when a user releases a key |
| [onload](https://www.w3schools.com/tags/att_onload.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp), [<style>](https://www.w3schools.com/tags/tag_style.asp) | Script to be run when the element is finished loading |
| [onloadeddata](https://www.w3schools.com/tags/att_onloadeddata.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when media data is loaded |
| [onloadedmetadata](https://www.w3schools.com/tags/att_onloadedmetadata.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when meta data (like dimensions and duration) are loaded |
| [onloadstart](https://www.w3schools.com/tags/att_onloadstart.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run just as the file begins to load before anything is actually loaded |
| [onmousedown](https://www.w3schools.com/tags/att_onmousedown.asp) | All visible elements. | Script to be run when a mouse button is pressed down on an element |
| [onmousemove](https://www.w3schools.com/tags/att_onmousemove.asp) | All visible elements. | Script to be run as long as the  mouse pointer is moving over an element |
| [onmouseout](https://www.w3schools.com/tags/att_onmouseout.asp) | All visible elements. | Script to be run when a mouse pointer moves out of an element |
| [onmouseover](https://www.w3schools.com/tags/att_onmouseover.asp) | All visible elements. | Script to be run when a mouse pointer moves over an element |
| [onmouseup](https://www.w3schools.com/tags/att_onmouseup.asp) | All visible elements. | Script to be run when a mouse button is released over an element |
| [onmousewheel](https://www.w3schools.com/tags/att_onmousewheel.asp) | All visible elements. | Script to be run when a mouse wheel is being scrolled over an element |
| [onoffline](https://www.w3schools.com/tags/att_onoffline.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when the browser starts to work offline |
| [ononline](https://www.w3schools.com/tags/att_ononline.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when the browser starts to work online |
| onpagehide | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when a user navigates away from a page |
| [onpageshow](https://www.w3schools.com/tags/att_onpageshow.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when a user navigates to a page |
| [onpaste](https://www.w3schools.com/tags/att_onpaste.asp) | All visible elements. | Script to be run when the user pastes some content in an element |
| [onpause](https://www.w3schools.com/tags/att_onpause.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the media is paused either by the user or programmatically |
| [onplay](https://www.w3schools.com/tags/att_onplay.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the media is ready to start playing |
| [onplaying](https://www.w3schools.com/tags/att_onplaying.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the media actually has started playing. |
| onpopstate | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when the window's history changes. |
| [onprogress](https://www.w3schools.com/tags/att_onprogress.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the browser is in the process of getting the media data |
| [onratechange](https://www.w3schools.com/tags/att_onratechange.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run each time the playback rate changes (like when a user switches to a slow motion or fast forward mode). |
| [onreset](https://www.w3schools.com/tags/att_onreset.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | Script to be run when a reset button in a form is clicked. |
| [onresize](https://www.w3schools.com/tags/att_onresize.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when the browser window is being resized. |
| [onscroll](https://www.w3schools.com/tags/att_onscroll.asp) | All visible elements. | Script to be run when an element's scrollbar is being scrolled |
| [onsearch](https://www.w3schools.com/tags/att_onsearch.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | Script to be run when the user writes something in a search field (for <input="search">) |
| [onseeked](https://www.w3schools.com/tags/att_onseeked.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the seeking attribute is set to false indicating that seeking has ended |
| [onseeking](https://www.w3schools.com/tags/att_onseeking.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the seeking attribute is set to true indicating that seeking is active |
| [onselect](https://www.w3schools.com/tags/att_onselect.asp) | All visible elements. | Script to be run when the element gets selected |
| [onshow](https://www.w3schools.com/tags/att_onshow.asp) | [<menu>](https://www.w3schools.com/tags/tag_menu.asp) | Script to be run when a <menu> element is shown as a context menu |
| [onstalled](https://www.w3schools.com/tags/att_onstalled.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the browser is unable to fetch the media data for whatever reason |
| onstorage | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when a Web Storage area is updated |
| [onsubmit](https://www.w3schools.com/tags/att_onsubmit.asp) | [<form>](https://www.w3schools.com/tags/tag_form.asp) | Script to be run when a form is submitted |
| [onsuspend](https://www.w3schools.com/tags/att_onsuspend.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when fetching the media data is stopped before it is completely loaded for whatever reason |
| [ontimeupdate](https://www.w3schools.com/tags/att_ontimeupdate.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the playing position has changed (like when the user fast forwards to a different point in the media) |
| [ontoggle](https://www.w3schools.com/tags/att_ontoggle.asp) | [<details>](https://www.w3schools.com/tags/tag_details.asp) | Script to be run when the user opens or closes the <details> element |
| [onunload](https://www.w3schools.com/tags/att_onunload.asp) | [<body>](https://www.w3schools.com/tags/tag_body.asp) | Script to be run when a page has unloaded (or the browser window has been closed) |
| [onvolumechange](https://www.w3schools.com/tags/att_onvolumechange.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run each time the volume of a video/audio has been changed |
| [onwaiting](https://www.w3schools.com/tags/att_onwaiting.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Script to be run when the media has paused but is expected to resume (like when the media pauses to buffer more data) |
| [onwheel](https://www.w3schools.com/tags/att_onwheel.asp) | All visible elements. | Script to be run when the mouse wheel rolls up or down over an element |
| [open](https://www.w3schools.com/tags/att_open.asp) | [<details>](https://www.w3schools.com/tags/tag_details.asp) | Specifies that the details should be visible (open) to the user |
| [optimum](https://www.w3schools.com/tags/att_optimum.asp) | [<meter>](https://www.w3schools.com/tags/tag_meter.asp) | Specifies what value is the optimal value for the gauge |
| [pattern](https://www.w3schools.com/tags/att_pattern.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | Specifies a regular expression that an <input> element's value is checked against |
| [placeholder](https://www.w3schools.com/tags/att_placeholder.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies a short hint that describes the expected value of the element |
| [poster](https://www.w3schools.com/tags/att_poster.asp) | [<video>](https://www.w3schools.com/tags/tag_video.asp) | Specifies an image to be shown while the video is downloading, or until the user hits the play button |
| [preload](https://www.w3schools.com/tags/att_preload.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Specifies if and how the author thinks the audio/video should be loaded when the page loads |
| [readonly](https://www.w3schools.com/tags/att_readonly.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies that the element is read-only |
| [rel](https://www.w3schools.com/tags/att_rel.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp) | Specifies the relationship between the current document and the linked document |
| [required](https://www.w3schools.com/tags/att_required.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp), [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies that the element must be filled out before submitting the form |
| [reversed](https://www.w3schools.com/tags/att_reversed.asp) | [<ol>](https://www.w3schools.com/tags/tag_ol.asp) | Specifies that the list order should be descending (9,8,7...) |
| [rows](https://www.w3schools.com/tags/att_rows.asp) | [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies the visible number of lines in a text area |
| [rowspan](https://www.w3schools.com/tags/att_rowspan.asp) | [<td>](https://www.w3schools.com/tags/tag_td.asp), [<th>](https://www.w3schools.com/tags/tag_th.asp) | Specifies the number of rows a table cell should span |
| [sandbox](https://www.w3schools.com/tags/att_sandbox.asp) | [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp) | Enables an extra set of restrictions for the content in an <iframe> |
| [scope](https://www.w3schools.com/tags/att_scope.asp) | [<th>](https://www.w3schools.com/tags/tag_th.asp) | Specifies whether a header cell is a header for a column, row, or group of columns or rows |
| [scoped](https://www.w3schools.com/tags/att_scoped.asp) | [<style>](https://www.w3schools.com/tags/tag_style.asp) | Specifies that the styles only apply to this element's parent element and that element's child elements |
| [selected](https://www.w3schools.com/tags/att_selected.asp) | [<option>](https://www.w3schools.com/tags/tag_option.asp) | Specifies that an option should be pre-selected when the page loads |
| [shape](https://www.w3schools.com/tags/att_shape.asp) | [<area>](https://www.w3schools.com/tags/tag_area.asp) | Specifies the shape of the area |
| [size](https://www.w3schools.com/tags/att_size.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp), [<select>](https://www.w3schools.com/tags/tag_select.asp) | Specifies the width, in characters (for <input>) or specifies the number of visible options (for <select>) |
| [sizes](https://www.w3schools.com/tags/att_sizes.asp) | [<img>](https://www.w3schools.com/tags/tag_img.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp) | Specifies the size of the linked resource |
| [span](https://www.w3schools.com/tags/att_span.asp) | [<col>](https://www.w3schools.com/tags/tag_col.asp), [<colgroup>](https://www.w3schools.com/tags/tag_colgroup.asp) | Specifies the number of columns to span |
| [spellcheck](https://www.w3schools.com/tags/att_spellcheck.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies whether the element is to have its spelling and grammar checked or not |
| [src](https://www.w3schools.com/tags/att_src.asp) | [<audio>](https://www.w3schools.com/tags/tag_audio.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp), [<track>](https://www.w3schools.com/tags/tag_track.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Specifies the URL of the media file |
| [srcdoc](https://www.w3schools.com/tags/att_srcdoc.asp) | [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp) | Specifies the HTML content of the page to show in the <iframe> |
| [srclang](https://www.w3schools.com/tags/att_srclang.asp) | [<track>](https://www.w3schools.com/tags/tag_track.asp) | Specifies the language of the track text data (required if kind="subtitles") |
| [srcset](https://www.w3schools.com/tags/att_source_srcset.asp) | [<img>](https://www.w3schools.com/tags/tag_img.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp) | Specifies the URL of the image to use in different situations |
| [start](https://www.w3schools.com/tags/att_start.asp) | [<ol>](https://www.w3schools.com/tags/tag_ol.asp) | Specifies the start value of an ordered list |
| [step](https://www.w3schools.com/tags/att_step.asp) | [<input>](https://www.w3schools.com/tags/tag_input.asp) | Specifies the legal number intervals for an input field |
| [style](https://www.w3schools.com/tags/att_style.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies an inline CSS style for an element |
| [tabindex](https://www.w3schools.com/tags/att_tabindex.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies the tabbing order of an element |
| [target](https://www.w3schools.com/tags/att_target.asp) | [<a>](https://www.w3schools.com/tags/tag_a.asp), [<area>](https://www.w3schools.com/tags/tag_area.asp), [<base>](https://www.w3schools.com/tags/tag_base.asp), [<form>](https://www.w3schools.com/tags/tag_form.asp) | Specifies the target for where to open the linked document or where to submit the form |
| [title](https://www.w3schools.com/tags/att_title.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies extra information about an element |
| [translate](https://www.w3schools.com/tags/att_translate.asp) | [Global Attributes](https://www.w3schools.com/tags/ref_standardattributes.asp) | Specifies whether the content of an element should be translated or not |
| [type](https://www.w3schools.com/tags/att_type.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<link>](https://www.w3schools.com/tags/tag_link.asp), [<menu>](https://www.w3schools.com/tags/tag_menu.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<script>](https://www.w3schools.com/tags/tag_script.asp), [<source>](https://www.w3schools.com/tags/tag_source.asp), [<style>](https://www.w3schools.com/tags/tag_style.asp) | Specifies the type of element |
| [usemap](https://www.w3schools.com/tags/att_usemap.asp) | [<img>](https://www.w3schools.com/tags/tag_img.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp) | Specifies an image as a client-side image-map |
| [value](https://www.w3schools.com/tags/att_value.asp) | [<button>](https://www.w3schools.com/tags/tag_button.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<li>](https://www.w3schools.com/tags/tag_li.asp), [<option>](https://www.w3schools.com/tags/tag_option.asp), [<meter>](https://www.w3schools.com/tags/tag_meter.asp), [<progress>](https://www.w3schools.com/tags/tag_progress.asp), [<param>](https://www.w3schools.com/tags/tag_param.asp) | Specifies the value of the element |
| [width](https://www.w3schools.com/tags/att_width.asp) | <canvas>, [<embed>](https://www.w3schools.com/tags/tag_embed.asp), [<iframe>](https://www.w3schools.com/tags/tag_iframe.asp), [<img>](https://www.w3schools.com/tags/tag_img.asp), [<input>](https://www.w3schools.com/tags/tag_input.asp), [<object>](https://www.w3schools.com/tags/tag_object.asp), [<video>](https://www.w3schools.com/tags/tag_video.asp) | Specifies the width of the element |
| [wrap](https://www.w3schools.com/tags/att_wrap.asp) | [<textarea>](https://www.w3schools.com/tags/tag_textarea.asp) | Specifies how the text in a text area is to be wrapped when submitted in a form |

## HTML Global Attributes

= Attribute added in HTML5.

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| [accesskey](https://www.w3schools.com/tags/att_global_accesskey.asp) | Specifies a shortcut key to activate/focus an element |
| [class](https://www.w3schools.com/tags/att_global_class.asp) | Specifies one or more classnames for an element (refers to a class in a style sheet) |
| [contenteditable](https://www.w3schools.com/tags/att_global_contenteditable.asp) | Specifies whether the content of an element is editable or not |
| [contextmenu](https://www.w3schools.com/tags/att_global_contextmenu.asp) | Specifies a context menu for an element. The context menu appears when a user right-clicks on the element |
| [data-\*](https://www.w3schools.com/tags/att_global_data.asp) | Used to store custom data private to the page or application |
| [dir](https://www.w3schools.com/tags/att_global_dir.asp) | Specifies the text direction for the content in an element |
| [draggable](https://www.w3schools.com/tags/att_global_draggable.asp) | Specifies whether an element is draggable or not |
| [dropzone](https://www.w3schools.com/tags/att_global_dropzone.asp) | Specifies whether the dragged data is copied, moved, or linked, when dropped |
| [hidden](https://www.w3schools.com/tags/att_global_hidden.asp) | Specifies that an element is not yet, or is no longer, relevant |
| [id](https://www.w3schools.com/tags/att_global_id.asp) | Specifies a unique id for an element |
| [lang](https://www.w3schools.com/tags/att_global_lang.asp) | Specifies the language of the element's content |
| [spellcheck](https://www.w3schools.com/tags/att_global_spellcheck.asp) | Specifies whether the element is to have its spelling and grammar checked or not |
| [style](https://www.w3schools.com/tags/att_global_style.asp) | Specifies an inline CSS style for an element |
| [tabindex](https://www.w3schools.com/tags/att_global_tabindex.asp) | Specifies the tabbing order of an element |
| [title](https://www.w3schools.com/tags/att_global_title.asp) | Specifies extra information about an element |
| [translate](https://www.w3schools.com/tags/att_global_translate.asp) | Specifies whether the content of an element should be translated or not |